

Volume 19, Issue 22, the week of 16 September 2019

HF Happenings from www.sarl.org.za/hf happenings.asp

Southern African Fauna and Flora https://zsfaunaandflora.wordpress.com/

ZS SOTA https://zssota.wordpress.com

Zone 38 Award and others https://zone38award.wordpress.com/

Worldwide List of HF Beacons https://iaruhfbeacons.wordpress.com/

5 MHz (60 metre) allocations <a href="http://www.sarl.org.za/public/contests/contestrules.asp">http://www.sarl.org.za/public/contests/contestrules.asp</a>



### **ILLW** breaks with tradition

Since its inception in 1998, the International Lighthouse Lightship Weekend has been held on the third full weekend in August. The founders selected this weekend as it was the most suitable for the European and UK stations that made up the bulk of entries for the event.

Next year (2020) the third full weekend is host to the 75<sup>th</sup> anniversary of the cessation of hostilities in the Pacific 30 - Rosh Hashana region with the 15th August, VP day, falling on the Saturday of

### September

16 - World Ozone Day

17 - Highway ARC Monthly Meeting

18 - The Battle of Square Hill - 18 September 1918; the SARL 80 m Club Sprint

20 - Provincial schools close

20 to 22 – the 2019 Darling Wildflower

21 and 22 - All Africa DX contest; SARL VHF/UHF Digital contest; Railways on the Air

21 to 24 - Magoebaskloof Spring Festival

22 - Spring Equinox and RAE Registration closes

23 - Closing date for NFD logs

24 - ZS SOTA Day; National Braai Day / Heritage Day

26 to 29 - SA Bull Run, Vanwyksvlei

26 - World Maritime Day

27 - World Tourism Day

27 and 28 - Fish River Canoe

Marathon, Cradock

28 and 29 - CQ WW RTTY contest

29 - Closing date Africa All Mode logs

The organisers of the event have decided it would be inappropriate to hold the ILLW event on the third full weekend of August next year as many stations will be involved in commemorating the important anniversary of VP day especially those bordering and within the Pacific rim.

We trust this temporary move to the following weekend, 22 and 23 August, will not inconvenience anyone.

It has also come to our notice that some stations are treating the event as a contest by attempting to work as many stations as possible with the usual 5/9 report and moving on to the next contact. This is totally at odds with the concept of the ILLW which is intended to be a fun weekend promoting international goodwill, lighthouses and amateur radio. Please let us know if you have contact with this type of activity and we will take appropriate action.

The 22<sup>nd</sup> annual event held last month was again very successful and enjoyed by 426 stations in 50 countries plus all of those who participated but did not register their intentions. Several new countries and lighthouses were listed this year. Feedback and photos from entrants are on the ILLW web site.

### Word to the Wise

Sibilant - As an adjective, having a hissing sound. Usually applies to components of speech with "s", "sh", "ch", etc. Some microphones that are too "bright" may require "de-essers" to reduce sibilance.

### **Operating Tip**

Get an Independent Evaluation - It is important to understand your station's strengths and weaknesses. But sometimes pride of ownership can cloud an accurate assessment of what most needs to be improved. Invite a fellow operator (even better, more than one) to use your station during a contest to really understand how it performs. You will need to convince them to be brutally honest. You might want to observe them during band changes, when conditions are difficult, etc. to see if they can take full advantage of what makes your station special. Then, you will have to convince yourself to listen to their critique without arguing with them. You might want that new amplifier, but it might be a better use of resources to have a better antenna.

#### **Information Transmission**

The amount of information transmitted by human languages per unit time may be constant across most human languages. Researchers measured the rate at approximately 39 bits per second and found that some languages were able to encode concepts more succinctly than others. <a href="https://www.sciencemag.org/news/2019/09/human-speech-may-have-universal-transmission-rate-39-bits-second">www.sciencemag.org/news/2019/09/human-speech-may-have-universal-transmission-rate-39-bits-second</a>

# **Coil Dope**

When restoring or fixing gear, sometimes "coil dope" is called for as a coating to keep wires in place for coils, or to moisture proof components. Here's an Instructable on how one person made their own with a solvent and polystyrene peanut. <a href="https://www.instructables.com/id/Homemade-Coil-Dope/">www.instructables.com/id/Homemade-Coil-Dope/</a>

#### **African DX**

Contacts with stations on the African continent count towards the SARL's All Africa Award (www.sarl.org.za/public/awards/awards.asp)

African Tour. By the time you read this, Pista, HA5AO, will once again be active as 3DA0AO from the Kingdom of eSwatini (Swaziland) until 30 September. He will be active from the Mountain Inn Resort at Mbabane. His plan is to start to

set up antenna and station on 16 September and he can be expected on the air by the evening. The station set up contains an Elecraft K3S with a KPA500 and fed into a vertical antenna. Pista will operate on 80 to 10 m using mainly CW and FT8 on the higher bands and plans to be active on 21 and 22 September in the All Africa DX Contest as a Single-Op/Single-Transmitter/CW-Mode/All-Band/High-Power entry.

After the eSwatini operation Pista, HA5AO, will arrive in Lesotho on 1 October and plans to stay until 19 October. He will again use the 7P8AO call sign. Flight and room at Molengoane Lodge is also booked. Due to other commitments the operation from Lesotho will take place during his free time mainly on CW and FT8 on the higher bands. QSL policy, Log search and OQRS is available at: <a href="https://www.ha5ao.com">https://www.ha5ao.com</a>

#### African Islands

**IOTA Frequencies** 

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz

Maderia, CQ9. Silvia, EA1AP, Alberto, EA1SA and Tony, CT1HTU (F8ATS) will be active as CQ9A from San Jorge, Madeira Island, between 18 and 26 October. Activity will be holiday style on 80 to 6 metres (special attention on 60 m) using CW, SSB and FT8. QSL via ClubLog's OQRS or EA1AP.



#### **Contest Calendar**

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 16 to 23 September 2019

Classic Exchange, CW

13:00 UTC 15 September to 07:00 UTC 16 September and 13:00 UTC 17 September to

07:00 UTC 18 September Geographic Focus: Worldwide Participation: Worldwide

Mode: CW

Bands: 160, 80, 40, 20, 15, 10, 6, 2 m

Classes: (see rules)

Exchange: Name, RST, state, province or country and rcvr/xmtr manuf/model

Work stations: Once per band per mode per

rcr/xmtr manuf/model QSO Points: (see rules) Multipliers: (see rules)

Score Calculation: Total score = sum (total mode QSO points x total mode mults) and

**Bonus Points** 

Submit logs by: 1 November 2019 E-mail logs to: k2rp@arrl.net

Mail logs to: K2RP, 659 Shanas Lane, Encinitas,

CA 92024, USA Find rules at:

www.classicexchange.org/sep19/Fall\_2019\_CX

Rules.pdf

Run for the Bacon QRP Contest 01:00 - 03:00 UTC 16 September Geographic Focus: Worldwide Participation: Worldwide

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m Classes: Single Band; All Band

Max power: 5 watts

Exchange: RST, state, province or country and

member no or power

Work stations: Once per band

QSO Points: 1 point per QSO with nonmember; 3 points per QSO with member on same continent; 5 points per QSO with

member on different continent

Multipliers: Each state, province, or country once; Multiply mults by 2 if >50 members

worked

Score Calculation: Total score = total QSO

points x total mults

Submit logs by: 22 September 2019

E-mail logs to: (none)

Upload log at:

http://qrpcontest.com/pigrun/autolog.php

Mail logs to: (none)

Find rules at: <a href="http://qrpcontest.com/pigrun/">http://qrpcontest.com/pigrun/</a>

Phone Fray

02:30 - 03:00 UTC 18 September Geographic Focus: North America

Participation: Worldwide

Mode: SSB

Bands: 160, 80, 40, 20, 15 m

Classes: Single Op Max power: 100 watts

Exchange: NA: Name and state, province or

country; non-NA: Name Work stations: Once per band

QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country

(except W/VE) once per band

Score Calculation: Total score = total QSO

points x total mults

Submit logs by: 03:00 UTC 20 September 2019

E-mail logs to: (none)

Post log summary at: www.3830scores.com

Mail logs to: (none) Find rules at:

www.perluma.com/Phone\_Fray\_Contest\_Rule

<u>s.pdf</u>

**CWops Mini-CWT Test** 

13:00 - 14:00 UTC 18 September and 19:00 - 20:00 UTC 18 September and 03:00 - 04:00

**UTC 19 September** 

Geographic Focus: Worldwide Participation: Worldwide Awards: Worldwide

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m Classes: Single Op - QRP, low or high Max power: HP: >100 watts; LP: 100 watts;

QRP: 5 watts

Exchange: Member: Name and member no non-Member: Name and state, province or

country

Work stations: Once per band QSO Points: 1 point per QSO Multipliers: Each call once

Score Calculation: Total score = total QSO

points x total mults

Submit logs by: 04:00 UTC 21 September 2019 Post log summary at: <a href="https://www.3830scores.com">www.3830scores.com</a>

Mail logs to: (none)

Find rules at: https://cwops.org/cwops-tests/

RSGB 80 m Autumn Series, CW 19:00 - 20:30 UTC 18 September Geographic Focus: United Kingdom

Participation: Worldwide

Mode: CW Bands: 80 m Only Classes: 100 W; 10 W

Exchange: other station's call, your call, serial

no and your name

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO

points

Submit logs by: 23:59 UTC 21 September 2019

Upload log at: www.rsgbcc.org/cgi-

bin/hfenter.pl Mail logs to: (none) Find rules at:

www.rsgbcc.org/hf/rules/2019/rautumn.shtml

**NAQCC CW Sprint** 

00:30 - 02:30 UTC 19 September Geographic Focus: Worldwide Participation: Worldwide

Mode: CW

Bands: 80, 40, 20 m Classes: (none) Max power: 5 watts

Exchange: RST, state, province or country and

NAQCC no or power

Work stations: Once per band

QSO Points: 1 point per QSO with nonmember; 2 points per QSO with member Multipliers: Each state, province, or country once; Key Type Mult: 2 x if straight key, 1.5 x if

bug, 1 x if other

Score Calculation: Total score = total QSO points x total mults x key type mult

Submit logs by: 23:59 UTC 22 September 2019 E-mail logs to: <a href="mailto:nagcc33@windstream.net">nagcc33@windstream.net</a>

jcoreyc@gmail.com Upload log at:

http://nagcc.info/sprint submit log.html

Mail logs to: (none)
Find rules at:

http://naqcc.info/sprint/sprint201909.html

**NCCC RTTY Sprint** 

01:45 - 02:15 UTC 20 September Geographic Focus: North America

Participation: Worldwide

Mode: RTTY Bands: (see rules) Classes: (none)

Exchange: Serial no, name and QTH Score Calculation: Total score = total QSO

points x total mults

Submit logs by: September 22, 2019

E-mail logs to: (none)

Post log summary at: <a href="https://www.3830scores.com/">www.3830scores.com/</a>

Mail logs to: (none)

Find rules at: <a href="https://www.ncccsprint.com/rttyns.html">www.ncccsprint.com/rttyns.html</a>

**NCCC Sprint** 

02:30 - 03:00 UTC 20 September Geographic Focus: North America

Participation: Worldwide

Mode: CW

Bands: (see rules) Classes: (none)

Exchange: Serial no, name and QTH

Score Calculation: Total score = total QSO

points x total mults

Submit logs by: 22 September 2019

E-mail logs to: (none)

Post log summary at: www.3830scores.com/

Mail logs to: (none)

Find rules at: www.ncccsprint.com/rules.html

**AGB NEMIGA Contest** 

21:00 - 24:00 UTC 20 September Geographic Focus: Worldwide Participation: Worldwide Mode: CW, SSB, Digital Bands: 80 m Only

Classes: Single Op (CW/SSB/Mixed); Single Op Mixed QRP; Multi-Op; Digital; One Hour; SWL Exchange: AGB Member: RST, QSO no and member no; non-Member: RST and QSO no Work stations: Once per mode per 15-minute

period (see rules)

QSO Points: 1 point per QSO with same continent; 3 points per QSO with different continent; 5 points per QSO with AGB member Multipliers: Each AGB member once; Each

DXCC/WAE country once

Score Calculation: Total score = total QSO

points x total mults

Submit logs by: 20 October 2019 E-mail logs to: <a href="mailto:eu1eu@mail.ru">eu1eu@mail.ru</a>

Mail logs to: Igor "Harry" Getmann, EU1EU, PO

Box 143, Minsk 220005, Belarus

Find rules at:

www.ev5agb.com/contest/agb\_nemiga.htm

Collegiate QSO Party

00:00 UTC 21 September to 23:59 UTC 22

September

Mode: CW/Digital, Phone, Digital

Bands: All, except WARC

Classes: Collegiate - low or high; Collegiate Employee - low or high; Collegiate Club Alumni

- low or high; Individual - low or high

Exchange: School Name/abbreviation, RS(T)

and operating class

QSO Points: 1 point per phone QSO; 2 points

per CW/digital QSO
Bonus points (see rules)
Multipliers: (see rules)
Score Calculation: (see rules)
Submit logs by: 15 October 2019

E-mail logs to: (see rules)

Mail logs to: (none)

Find rules at: <a href="http://collegiateqsoparty.com">http://collegiateqsoparty.com</a>

Scandinavian Activity Contest, CW

12:00 UTC 21 September to 12:00 UTC 22

September

Geographic Focus: Scandinavia Participation: Worldwide

Mode: CW

Bands: 80, 40, 20, 15, 10 m

Classes: Single Op Single Xmtr - QRP, low or high; Single Op Single Xmtr Assisted - QRP, low or high; Single Op Single Band; Single Op Assisted Low Band; Multi-Single; Multi-Multi; Scandinavian Single Op Overlays: TB-Wires,

Rookie or Wires Only

Max power: HP: >100 watts; LP: 100 watts;

QRP: 5 watts

Exchange: RST and serial no Work stations: Once per band

QSO Points: Scandinavian: 2 points per QSO with Europe; Scandinavian: 3 points per QSO with non-Europe; Europe: 1 point per QSO with Scandinavian station; non-Europe: 1 point per QSO with Scandinavian station on 20, 15,

10 m; non-Europe: 3 points per QSO with Scandinavian station on 80, 40 m

Multipliers: Scandinavian: Each DXCC country once per band; non-Scandinavian: Each Scandinavian call area once per band Score Calculation: Total score = total QSO

points x total mults

Submit logs by: 27 September 2019
Upload log at: <a href="https://www.sactest.net/robot/">www.sactest.net/robot/</a>

Mail logs to: (none)

Find rules at: www.sactest.net/blog/rules/

All Africa International DX Contest

12:00 UTC 21 September to 12:00 UTC 22

September

Geographic Focus: Africa Participation: Worldwide Mode: CW, SSB, RTTY

Bands: 160, 80, 40, 20, 15, 10 m

Classes: SOST All Band - CW, SSB, RTTY or mixed - QRP, low or high; SOST Single Band - CW, SSB, RTTY or mixed - QRP, low or high; SO2R - CW, SSB, RTTY or mixed - low or high; Multi-Single All Band - low or high; Multi-Single Single Band - low or high; Multi-Multi - low or

high

Max power: HP: 1 500 watts; LP: 100 watts;

QRP: 5 watts

Exchange: RS(T) and serial no

Work stations: Once per band per mode

QSO Points: 1 point per QSO Multipliers: (see rules)

Score Calculation: Total score = sum (band QSO pts x band mults for each band)
Submit logs by: 7 October 2019

E-mail logs to: <a href="mailto:contest@sarl.org.za">contest@sarl.org.za</a>

Mail logs to: (none) Find rules at:

www.sarl.org.za/Web3/Members/DoDocDown load.aspx?X=201812010726248P1Jfp4GJT.PDF

Iowa QSO Party

14:00 UTC 21 September to 02:00 UTC 22

September

Geographic Focus: United States/Canada

state/province QSO party Participation: Worldwide Mode: CW, Phone, Digital

Bands: All, except WARC and 60 m

Classes: Single Op Fixed – low; Multi-Op Fixed – low; Single Op Mobile/Portable – low; Multi-Op Mobile/Portable – low; Out-of-State – WVE

or DX – low; High Power; QRP

Max power: HP: >150 watts; non-QRP: 5 - 150

Watts; QRP: 5 watts

Exchange: IA: RS(T) and County; non-IA: RS(T)

and state, province or DX

Work stations: Once per band per mode per

county

QSO Points: 1 point per phone QSO; 2 points per CW or digital QSO; Bonus points: 500

points for acting as bonus station

Bonus QSO points: 10 additional points per

QSO with designated bonus station

Multipliers: IA: Each IA county, state, province once; IA: One multiplier credit for at least one QSO with a DX station; non-IA: Each IA county

once

Score Calculation: Total score = (total QSO points x total mults) and Bonus points
Submit logs by: 04:45 UTC 22 October 2019
E-mail logs to: <a href="mailto:iowaqsoparty@hotmail.com">iowaqsoparty@hotmail.com</a>
Mail logs to: Story County Amateur Radio Club,

1124 Roosevelt Ave, Ames, IA 50010, USA Find rules at: <a href="https://www.w0yl.com/IAQP">www.w0yl.com/IAQP</a>

**QRP Afield** 

15:00 - 21:00 UTC 21 September Geographic Focus: Worldwide Participation: Worldwide

Mode: All

Bands: 160, 80, 40, 20, 15, 10 m

Classes: (none)

Exchange: RS(T), state, province or country and

power or NE QRP No

Work stations: Once per band per mode QSO Points: 1 point per QSO if using >5 W and permanent location; 2 points per QSO if using >5 W and temporary location; 5 points per QSO if QRP and permanent location; 10 points per QSO if QRP and temporary location

Multipliers: Each state, province, country once

per band

Score Calculation: Total score = total QSO

points x total mults

Submit logs by: 20 October 2019 E-mail logs to: K1CL@arrl.net

Mail logs to: Chuck Ludinsky, K1CL, 6 Pracing Rd., Chelmsford, MA 01824-1922, USA Find rules at: <a href="https://www.newenglandqrp.org/qrp-">www.newenglandqrp.org/qrp-</a>

afield-2018/

New Hampshire QSO Party

16:00 UTC 21 September to 04:00 UTC 22 September and 16:00 - 22:00 UTC 22

September

Geographic Focus: United States/Canada

state/province QSO party Participation: Worldwide Mode: CW/Digital, Phone Bands: All, except WARC

Classes: Single Transmitter - QRP, low or high; Single Transmitter Assisted - QRP, low or high; Single Transmitter/Multi-Operator - low or high; Multi Transmitter/Multi-Operator - low

or high

Max power: HP: >150 watts; LP: 150 watts;

QRP: 5 watts

Exchange: NH: RS(T) and county; non-NH W/VE: RS(T) and state or province; DX: RS(T)

and "DX"

Work stations: Once per band per mode QSO Points: 1 point per phone QSO; 2 points

per CW/digital QSO

Multipliers: NH Stations: Each NH county, each state, each VE province and up to 10 DXCC country once; non-NH Stations: Each NH

county once

Score Calculation: Total score = total QSO

points x total mults

Submit logs by: 31 October 2019 E-mail logs to: <a href="https://www.ncg.nlm.nrg">NHQP@w1wqm.org</a>

Mail logs to: Port City Amateur Radio Club, PO Box 2060, Seabrook, NH 03874-2060, USA

Find rules at:

www.w1wqm.org/nhqso/NEW HAMPSHIRE Q

SO PARTY RULES.pdf

New Jersey QSO Party

16:00 UTC 21 September to 0359Z 22

September

Geographic Focus: United States/Canada

state/province QSO party Participation: Worldwide Mode: CW, Phone, Digital Bands: 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high; Multi-Op - QRP, low or high; Mobile/Rover/Portable - QRP or low; Rookie as overlay to any other

class

Max power: HP: 150 W or greater; LP: <150 W;

QRP: 5 W

Exchange: NJ: RS(T) and county; non-NJ: RS(T)

and state, province or DX

Work stations: Once per band per mode QSO Points: 1 point per phone QSO; 2 points

per CW or Digital QSO

Multipliers: NJ Station: Each NJ county, state (other than NJ), VE province, 1 DX once; Non-

NJ Station: Each NJ county once Power: 4 X - QRP, 2 X - LP, 1 X - HP

Score Calculation: Total score = total QSO

points x total mults x power mult Submit logs by: 1 October 2019 E-mail logs to: njqp@comcast.net

Mail logs to: (none)
Find rules at: <a href="https://www.k2td-bcrc.org/njqp/njqp">www.k2td-bcrc.org/njqp/njqp</a> rules.html

Washington State Salmon Run

16:00 UTC 21 September to 07:00 UTC 22 September and 16:00 - 24:00 UTC 22

September and 16.00 - 24.00 0 rc 22

September

Geographic Focus: United States/Canada

state/province QSO party Participation: Worldwide Mode: CW, Phone, Digital

Bands: 160, 80, 40, 20, 15, 10, 6, 2 m

Classes: Single Op - CW, phone, digital or mixed - QRP, low or high; Multi-Single; WA Club Single Transmitter; WA Club Two Transmitters; WA Mobile - CW, phone, digital or mixed; WA Single Op Expedition - CW, phone, digital or mixed; WA Multi-Op Single

Expedition; Unlimited (see rules)

Max power: HP: >100 watts; LP: 100 watts;

Xmtr Expedition: WA Multi-Op Two Xmtr

QRP: 5 watts

Exchange: WA: RS(T) and County; non-WA:

RS(T) and state, province or country

Work stations: Once per band per mode per

county

QSO Points: 2 points per phone QSO; 3 points per CW or digital QSOs; Bonus: 500 points per QSO with W7DX once per mode (max of 1 500

points)

Multipliers: WA: Each WA county, state,

province, DXCC entity once; non-WA: Each WA

county once

Score Calculation: Total score = (total QSO points x total mults) and bonus points

Submit logs by: 6 October 2019

E-mail logs to: salmonrun@wwdxc.org

Mail logs to: Western Washington DX Club, PO

Box 395, Mercer Island, WA 98040, USA

Find rules at:

www.wwdxc.org/salmonrun/salmon-run-

rules/

Wisconsin Parks on the Air 16:00 - 23:00 UTC 21 September

Geographic Focus: United States/Canada

state/province QSO party Participation: Worldwide

Mode: SSB, FM

Bands: 80, 40, 20, 15, 10, 2 m

Classes: Single Transmitter WI Park; Multi-Transmitter WI Park; Multi-Single WI Park - low or high; WI Operator Not in Park; Non-WI

Operator

Exchange: WI Park: park abbreviation; Non-

Park: state, province or country Work stations: Once per band QSO Points: 1 point per QSO Multipliers: Each WI park Score Calculation: (see rules) Submit logs by: 30 September 2019

E-mail logs to: (none)

Upload log at: <a href="http://wipota.com/logs/">http://wipota.com/logs/</a>

Mail logs to: (none) Find rules at:

http://wipota.com/files/WIPOTA contest rule

s.pdf

Feld Hell Sprint

18:00 - 19:59 UTC 21 September Geographic Focus: Worldwide Participation: Worldwide

Mode: Feld Hell

Bands: 160, 80, 40, 20, 15, 10, 6 m

Classes: (none)

Max power: Standard: 100 watts; QRP: 5 watts

Exchange: (see rules)

Work stations: Once per band

QSO Points: (see rules)
Bonus Points: (see rules)
Multipliers: (see rules)
Score Calculation: (see rules)
Submit logs by: 25 September 2019

Upload log at:

https://sites.google.com/site/feldhellclub/

Mail logs to: (none)
Find rules at:

https://sites.google.com/site/feldhellclub/Home/contests/sprints/hell-on-wheels-sprint

Classic Exchange, Phone

13:00 UTC 22 September to 07:00 UTC 23 September and 13:00 UTC 24 September to

07:00 UTC 25 September Geographic Focus: Worldwide Participation: Worldwide Mode: AM, SSB, FM

Bands: 160, 80, 40, 20, 15, 10, 6, 2 m

Classes: (see rules)

Exchange: Name, RS, state, province or country

and rcvr/xmtr manuf/model

Work stations: Once per band per mode per

rcr/xmtr manuf/model QSO Points: (see rules) Multipliers: (see rules)

Score Calculation: Total score = sum (total mode QSO points x total mode mults) and

**Bonus Points** 

Submit logs by: 1 November 2019 E-mail logs to: k2rp@arrl.net

Mail logs to: K2RP, 659 Shanas Lane, Encinitas,

CA 92024, USA Find rules at:

www.classicexchange.org/sep19/Fall\_2019\_CX

Rules.pdf

## **Next Week's Contests**

Classic Exchange, Phone, 13:00 UTC 22 September to 07:00 UTC 23 September and 13:00 UTC 24 September to 07:00 UTC 25 September

SKCC Sprint, 00:00 - 02:00 UTC 25 September

Phone Fray, 02:30 - 03:00 UTC 25 September

CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 25 September and 03:00 - 04:00

UTC 26 September

UKEICC 80 m Contest, 20:00 - 21:00 UTC 25 September

RSGB 80 m Autumn Series, Data, 19:00 - 20:30 UTC 26 September

NCCC RTTY Sprint, 01:45 - 02:15 UTC 27 September

NCCC Sprint, 02:30 - 03:00 UTC 27 September

CQ Worldwide DX RTTY Contest, 00:00 UTC 28 September to 24:00 UTC 29 September

Maine QSO Party, 12:00 UTC 28 September to 12:00 UTC 29 September

QCX Challenge, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 30 September and 03:00 - 04:00 UTC 1

October

IQRP Quarterly Marathon, 08:00 UTC 1 October to 20:00 UTC 7 October

Izems used with acknowledgement to the ARRL Letter, the ARRL OX News, the ARRL Contest Update, OPOX Bulletin, 425 OX Bulletin, OXNL Newsletter, WIA-News, the RSGB News, OxCoffee, Southgate ARC News, OX World and the Amateur Radio Newsletter